



HOKKAIDO UNIVERSITY

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摘 要

本邦産大花蚤科の甲蟲は今日迄唯だ僅に六種知られ居るが、余は今回新たに次の二新種及び一未記録種を發見せり。即ち下の如し。

1. *Macrosiagon formosicole* KÔNO (n. sp.) タイワンオホハナノミ (新稱)
2. *Metoeus paradoxus* LINNAEUS ヒトスガオホハナノミ (新稱)
3. *Metoeus vespa* KÔNO (n. sp.) ミスヂオホハナノミ (新稱)

尙 *Macrosiagon gerstaeckeri* HAROLD は *M. cyaniveste* MARSEUL [オスグロオホハナノミ (新稱)] の雄なれば後者の *Synonym* として取扱ふ可きものとす。

GEOMETRID-MOTHS COLLECTED ON MT. DAISETSU, WITH DESCRIPTIONS OF NEW SPECIES.

By

PROF. DR. S. MATSUMURA.

The following species were collected on Mt. Daisetsu and in its environment.

SUBFAM. HEMITHEINÆ

1. *Terpna superans* BTLR.
2. *Aracima mucosa* BTLR.
3. *Hipparchus papilionaria* L.
4. *Comibaena diluta* WARR.
5. *Chlorissa viridata* L.

SUBFAM. ACIDALIINÆ

6. *Acidalia floslactata* HAW.
7. *A. ternata* SCHR.
8. *A. shioyana* MATS. (n. sp.)

9. *Acidalia ainoica* MATS. (n. sp.)
10. *Ptychopoda effucaria* CHRIST.

SUBFAM. LARENTIINÆ

11. *Trichobaptia exsecuta* FELD.
12. *Photoscotosia atrostrigata* BREM.
13. *Eustroma reticulata* SCHIFF.
14. *E. inextricata* WK.
15. *Anaitis plagiata* L.
16. *Lygris prunata* L.
17. *L. agnes* BTLR.
18. *Cidaria (Larentia) designata* HÜBN.
19. *C. albigirata* GRAES.

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| <p>20. <i>Cidaria suffumata</i> SCHIFF.
 21. <i>C. sagittata</i> F.
 22. <i>C. taeniata</i> STEPH.
 23. <i>C. (Hydriomena) furcata sordidata</i> F.
 24. <i>C. (Euphyia) karafutenis</i> MATS.
 25. <i>C. (Thera) sounkeana</i> MATS. (n. sp.)
 26. <i>Cataglyphis plurilinearia</i> LEECH
 27. <i>Venusia cambrica</i> CURT.
 28. <i>Discoloxia megaspilata</i> WARR.
 29. <i>Eupithecia jesonica</i> MATS. (n. sp.)</p> | <p>do. ab. <i>subtaminata</i> PROUT
 36. <i>Cynegia hadessa</i> BTLR.
 37. <i>Anagoga (Numeraria) pulveraria</i> L.
 38. <i>Phalaena syringaria</i> L.
 39. <i>Gonodontis aurata</i> PROUT
 40. <i>Tristrophis veneris</i> BTLR.
 41. <i>Scionomia sinuosa</i> WILEM.
 42. <i>S. anomala</i> BTLR.
 43. <i>Spilopera debilis</i> BTLR.
 44. <i>Biston betularia</i> L.
 45. <i>Hemirophila subplagiata</i> WK.
 46. <i>Boarmia (Cleora) ribeata</i> CL.
 47. <i>B. (Cleora) pyreraria</i> LEECH
 48. <i>B. (Cleora) ficata</i> BTLR.
 49. <i>B. (Cleora) daisetsuzana</i> MATS. (n. sp.)
 50. <i>B. (Cleora) sounkeana</i> MATS. (n. sp.)
 51. <i>B. (Boarmia) lunifera</i> BTLR.
 52. <i>Gnophos kurodakeana</i> MATS. (n. sp.)
 53. <i>Psodos daisetsuzana</i> MATS. (n. sp.)</p> |
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SUBFAM. GEOMETRIINÆ

DESCRIPTIONS OF NEW SPECIES.

***Acidalia ainoica* n. sp.**

♂. White. Primaries with a large, oblong, black discocellular spot, at the innerside of which is an obsolete, brownish antemedial band, being broadly ex-curved at the cell and the broadest below the median vein.

Secondaries with 2 obsolete brownish bands, one of which near the base is narrower, the outer one being the broadest beyond the discocellular spot which is nearly the same with that of the primaries. Antennae brownish yellow, at the bases white, with long cilia. Frons and palpi dark brown, the latter with white scales beneath, the apical joint being yellowish. The hind tibia without spur, at the outside with a bundle of long silky hair, the hind tarsus being $\frac{1}{2}$ the length of the tibia.

Exp.—♂ 21 mm.

Hab.—Hokkaido (Mt. Daisetsu); one male specimen was collected on the 8th of August, 1926, by the author.

Somewhat allied to *A. confusa* BTLR.

***Acidalia shioyana* n. sp.**

♀. Wings grey, with black scales and markings.

Primaries—Subbasal and antemedial lines broken into spots, being conspicuous, respectively, at costa, medial and dorsal veins; the discocellular spot oblong, conspicuous; postmedial line tripple, mostly broken into spots, only the inner-

most being continuous, wavy, broken into spots only at the veins 3 and 4, and the outermost continuous at the costal field; submarginal line mostly broken into spots, being continuous only here and there; marginal line broken at the veins.

Secondaries with 3 wavy lines, respectively, one antemedial, one postmedial and one submarginal; some black scales, uniting together, build some black spots here and there; the discocellular spot obsolete. Body grey with some yellowish tinge, face and palpi velvety dark brown, patagia with 2 fuscous specks, abdomen with each a fuscous band at the base and apex.

Exp.—♀ 20 mm.

Hab.—Hokkaido (Mt. Daisetsu); one female specimen was collected at Sounkei.

In the marking and coloration resembles somewhat *Ptychopoda campariaria* H. S. from Europe, but it is very easy to distinguish it in having 2 pair of spurs at the hind tibia, being the character of the subgenus *Acidalia* Tr.

***Cidaria (Thera) sounkeana* n. sp.**

♂. Closely allied to *C. obeliscata obliterated* WHITE (SEITZ, IV, p. 217, pl. 8, fig. h.), but differs from it as follows:

Primaries with all lines nearly in the same distance at the dorsum; the lower half of the medial and postmedial lines nearly in parallel and not converging towards the dorsum as in *obeliscata*, the postmedial line being highly undulated; the discocellular-spot fuscous, conspicuous.

Secondaries grey, with an obsolete postmedial line; the discoidal spot fuscous, conspicuous. Antennae fine bipectinated.

Exp.—♂ 30 mm.

Hab.—Hokkaido (Mt. Daisetsu); one male specimen was collected on the 9th of August, 1926, by the author at Sounkei.

***Eupithecia jezonica* n. sp.**

♀. Greyish white. Primaries preponderately coppery brown, at the base except the costa, and in the cell, whitish, scattered with black scales here and there, some of which are building spots; the discocellular spot fuscous, linear; at the apical $\frac{2}{3}$ of the costa with 6 whity spots, the middle 4 of which becomes in 2 pair; submarginal line whity, wavy, excurved, being nearer to the termen at the vein 3, and defined internally by a series of black specks which are situated in the middle of each interspace; marginal line narrow, fuscous, being interrupted in the interspace; fringe brownish grey.

Secondaries with about 6 obsolete fuscous bands, of which the 1st band is conspicuous at the inner margin, the 3rd the broadest, becoming narrower.

towards the inner margin, the 5th double towards the outer margin, the 6th conspicuous at the margin only at the upper half; marginal line just like that of the primaries; fringe whitish, mixing brownish scales towards the apex; the discocellular spot black, roundish.

Underside, especially in the secondaries, similarly marked with the upper-side. Frons, antennae and palpi fuscous, the 1st being as long as the diameter of the eye. Patagia with each a black speck near the middle. Abdomen at the dorsum with a series of fuscous specks, that of the 2nd segment being divided into 2.

Exp.—♀ 20 mm.

Hab.—Hokkaido; 3 female specimens in the author's collection, one of which was collected at Maruyama near Sapporo.

This comes near to *E. kawakamiana* MATS. from Saghalien.

***Boarmia (Cleora) daisetsuzana* n. sp.**

Closely allied to *B. abstersaria* Bsd. from the European Alps as Pyrenees.

♀. Primaries dark grey, scattered with fuscous specks and strigae; beyond the postmedial line with some reddish yellow scales; antemedial and medial lines somewhat excurved, at the costa being spot-like enlarged; the discoidal spot on the medial line, but well to be traceable; postmedial line wavy, oblique, united with the medial line at the submedian fold, being broken into spots near the costa; submarginal line obsolete, defined outwardly by a pale line, being broken into spots just above the vein 4; at the termen with a series of black spots; fringe fuscous, mixing a few greyish and yellowish scales.

Secondaries concolorous with the primaries, antemedial line nearly straight; the discoidal spot small, but conspicuous; postmedial line wavy, at the veins 4, 5 and 6 with each a tooth-like projection; submarginal region with numerous black strigae; terminal line black, spot-like broken as that of the primaries; fringe as that of the primaries.

Underside paler, with nearly the same markings as those of the upper surface, but no trace of submarginal line, except some fuscous strigae and spots. Antennae, anterior tibia and tarsus fuscous, ringed with testaceous; body and legs pale grey, scattered with black scales.

Exp.—♀ 40 mm.

Hab.—Hokkaido (Mt. Daisetsu); one female specimen was collected on the 8th of August, 1926, by the author at Kurodake.

***Boarmia (Cleora) sounkeana* n. sp.**

Closely allied to *B. appositaria* LEECH

♂. Primaries dark grey, in the middle, namely the space between the

ante- and postmedial lines, paler; at the base on the costa with a fuscous spot; antemedial line double, the inner one obsolete, the outer one wavy, excurved just below the costa, ending in a small spot at the dorsum; the discocellular-spot small, but distinct; postmedial line narrow, oblique, ending in a black spot at the costa, being geniculated just below the costa; subterminal line obsolete, being only distinct in the interspaces 4 and 5; terminal line fuscous, broken into spots; at the apex with a paler roundish patch; fringe paler than the ground colour.

Secondaries concolorous with the primaries, scattered with fine fuscous scales; medial line narrow, wavy, broken into spot-series; the discocellular spot small, but conspicuous; terminal line fuscous; fringe nearly the same with that of the primaries.

Underside paler than the uppersurface, with nearly the same markings, the discocellular-spot being much larger. Antennae long bipectinated, fuscous, at the bases yellowish. Palpi fuscous, at the apices paler. Veins 8 and 9 to the primaries with a short stalk.

Exp.—♂ 45 mm.

Hab.—Hokkaido (Mt. Daisetsu); one male specimen was collected on the 9th of August, 1926, by the author at Sounkei.

***Psodos daisetsuzana* n. sp.**

♂. Primaries dark brown, silky, at the apical $\frac{1}{3}$ somewhat paler; antemedial and postmedial lines darker, the former somewhat wavy at the outside, the latter strongly undulated at the outside and where is defined by a paler line; submarginal line obsolete, but readily traceable, being scarcely undulated; terminal line narrow, black; fringe dark grey; the discocellular-spot black, conspicuous.

Secondaries concolorous with the primaries, in a certain light with 2 dark lines, being scarcely undulated.

Underside fuscous, shining, the colour being variable according to lights. Antennae, palpi, body and legs fuscous.

Exp.—♂ 23 mm.

Hab.—Hokkaido (Mt. Daisetsu); 10 male specimens were collected on the 17th of July and 9th of August, 1926, by T. UCHIDA, H. KÔNO and the author at Hokkaidake, Kumanotaira, Koizumidake, etc.

This is a day flier, being small and easily blown away by wind and rather difficult to catch. This is closely allied to *P. canaliculata* HOCHW. from the European Alps as Pyrenees, the Asiatic Carpathian, etc.

***Yezognophos kononis* n. sp.**

Somewhat allied to *Gnophos sibiriana* GUÉN.

♀. Primaries dark grey, with fuscous markings; antemedial line somewhat excurved, ending in a spot at the costa and dorsum; the discocellular-spot in the middle somewhat paler, accompanied by a small spot at the costa; post-medial line oblique, wavy, broadly excurved beyond the discocellulars, ending in a fuscous spot at the dorsum; submarginal line diffuse, defined externally by a paler line at the termen, becoming somewhat a series of black spots; fringe concolorous with the ground colour, at the base traversed by a paler line.

Secondaries concolorous with the primaries; the discocellular-spot black, conspicuous; medial line wavy, defined by a narrow paler line; postmedial line diffuse, being broader than the medial line; terminal line fuscous, being interrupted at the veins; fringe nearly the same with that of the primaries.

Underside of the primaries concolorous with the uppersurface, termen being broadly paler, with a terminal series of fuscous spots; secondaries paler than the primaries, scattered with fuscous scales.

Exp.—♀ 36 mm.

Hab.—Hokkaido (Mt. Daisetsu); one male specimen was collected on the 17th of July, 1926, by H. KÔNO at Koizumidake.

***Yezognophos* n. g.**

Closely allied to *Gnophos* Tr., but differs from it as follows:

Antennae bipectinated. Primaries with the veins 7, 9, 10 and 11 stalked, 12 free, 3 from before the angle; termen not crenulated. Hind tibia distinctly dilated, without a fold containing a bundle of hair.

Genotype—*Yezognophos kononis* MATS.

摘 要

昨年大雪山及び其附近にて採集せる尺蠖の内下の八種は新種なり。

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| 1. <i>Acidalia ainicus</i> MATS. (n. sp.) | アイノヒメシヤク |
| 2. <i>A. shioyana</i> MATS. (n. sp.) | シホヤヒメシヤク |
| 3. <i>Cidaria sounkeana</i> MATS. (n. sp.) | ソウウンナミシヤク |
| 4. <i>Eupitheca jezonica</i> MATS. (n. sp.) | エゾチビナミシヤク |
| 5. <i>Boarmia (Cleora) daisetsuzana</i> MATS. (n. sp.) | ダイセツエダシヤク |
| 6. <i>B. (Cleora) sounkeana</i> MATS. (n. sp.) | ソウウンエダシヤク |
| 7. <i>Psodos daisetsuzana</i> MATS. (n. sp.) | ダイセツタカネエダシヤク |
| 8. <i>Yezognophos kononis</i> MATS. (n. sp.) | コウノエダシヤク |

(*Yezognophos* は新屬なり)。
